# 2011 fall : Computer Education (undergraduates 3 Credits)

# "Globalizing Education", Global Education major (Undergraduates 3 credits)

Chungbuk National University, 忠北大學

School of Education 師範大學

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## CBNU-kelege-wikispaces.com

**2011 Fall** 7417010-01 compulsory **3 credit**

instructor : Prof. Okhwa Lee, Chungbuk National University

Tuesday 2-4 PM, Thursday 2-3 PM.

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## Course Description

When it comes to perspectives on teaching and learning, the smart technology with Web 2.0 has changed everything! We need to prepare education for the 21st century which is expected to be very different from the present one. Although we do not know the future, we can plan for our future and be prepared for it as the future is an extension of what we have experienced in the previous years from industrial society to information society and what we have now. It is commonly agreed that technology will be one of major engine to drive the change of the world. Also education is going to be in the core part of the change in the future. The education is now becoming global and open to the world.

Thus, the keywords for this course are “global education, technology and media for education”. Participants for this course will explore emerging technologies for learning and teaching.

It is going to be a project based course where students will conduct group research activities.

The future educational environment will require active participation from learners with the teaching through research where professors, teachers and students become “Partners in Learning” with the help of emerging information technologies. This course will provide the chance to explore the possibilities how emerging technologies can support instruction.

## Course Goals and Objectives

After the course, students should be able to:

1. Define and use different smart technologies;
2. Explain and demonstrate the educational benefits of wikis, blogs, virtual worlds, simulations, social networking software, etc.
3. Critique articles related to emerging learning technologies and associated pedagogy with them.
4. Use, recommend, or create online resources and portals in a variety of educational settings.
5. Design an innovative research or evaluation project related to online learning
6. Successfully submit research, grant, or other proposals related to learning technologies, the Web 2.0, e-learning, or systemic change in education to conferences, foundations, summits, or institutes.
7. Recognize the work of many key players and scholars in the field of online learning
8. Consult with organizations to evaluate the effectiveness of e-learning courses, programs, and events as well as Web 2.0 technologies.
9. Make recommendations regarding online learning initiatives, programs, and strategies.
10. Obtain a model, guide, or framework to implement new technologies to develop a new international program.
11. Enhancing English communication skills

## Recommended resources

27video by prof. Curt Bonk

<http://www.youtube.com/results?search_query=Curt+Bonk+planning+an+online+course>

quick time needed

<http://www.indiana.edu/~icy/media/de_series.html>

25 assessment <http://www.youtube.com/watch?v=d0nfDOPaw_8&feature=feedu>

**Readings**

**9.27** learning society, Cisco

**10. 18 Tuesday** assessment and teaching of the 21st century skills

**11. 29 Tuesday** UNESCO global education vision

**12.1. Thursday** Educating for citizenship in the 21st century (27 pages)

Australian council for educational research (2010.10)

References

The theory and practice of online learning second edition (2008)

<http://cde.athabascau.ca/online_book/>

<http://cde.athabascau.ca/online_book/second_edition.html>

http://www.aupress.ca/books/120146/ebook/99Z\_Anderson\_2008-Theory\_and\_Practice\_of\_Online\_Learning.pdf

Self initiated learning <http://www.ted.com/talks/lang/eng/sugata_mitra_the_child_driven_education.html> (Sugata Mitra : The child-driven education)

Creativity

[Sir Ken Robinson: Bring on the learning revolution](http://www.ted.com/talks/sir_ken_robinson_bring_on_the_revolution.html)

<http://www.ted.com/talks/sir_ken_robinson_bring_on_the_revolution.html>

Transforming American Education: Learning Powered by Technology - *Executive Summary*

<http://www.ed.gov/sites/default/files/netp2010.pdf>

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## Topics

**Background information**

1. Planning an online course
2. Managing general
3. Managing forums
4. Providing feedback
5. Reducing plagiarism

**Preparation for instruction**

1. Building community
2. Instructor social presence
3. Online relationship
4. Collaboration teaming
5. Supplemental materials

**Implementing online learning**

1. Blended general
2. Blended implementation
3. Blended future
4. Writing reflection activities
5. Virtual learning
6. Existing video resources
7. Webinars webcasts
8. Podcasting
9. Wiki
10. Blog
11. Collaborative tools
12. Hands on experiential
13. Project problem product based
14. Global connections collaboration

**Evaluation**

1. Assessing students learning
2. Ending archiving updating reusing
3. trends

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## Class Activity

### Class hour

Tuesday 2-3:40, Thursday 2-2:50

### Schedule of activities

### Review of video in the class

### A student present the main idea for 5 minutes

### Students discuss about the feasibility of idea in Korean and Estonian environment.

### Every student leaves comments in Wikispaces

### Presenter delivers a cool resource to the class

### Practice is led by the presenter

### Multimedia preparation

Head set for 23 students

**9.1 Thursday**

Introduction to the class

Chrome OS download

## How to use CBNU-kelege-wikispaces.com

**Open an account**

Introducing each other

In home page discussion, leave 10 words which best describe yourself

**9.6 Tuesday**

Introducing Syllabus

Student team for presentation (two students per team)

Visual presentation of Korea, Cheong city, Chungbuk National University

Prezi.com <http://prezi.com/o9y3bqv1wds-/presentation/>

Estonia, Austria

Comments in discussion on each country (In Korean or/and English)

Practice of video access, tools

Quick time installation

<http://www.indiana.edu/~icy/media/de_series.html>

or use youtube

<http://www.youtube.com/results?search_query=Curt+Bonk+planning+an+online+course>

Dongchan : how to use wikispaces

**9.8 Thursday**

Introduction of how to operate the class : 5 minutes

Video watching : 1 Planning an online course : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

Background information for the course : Educational climate change

Chris Dede “Six challenges for Edu Tech”

**9.15 Tuesday**

Video watching : 2 Managing general : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**9.20 Tuesday**

Video watching : 3 Managing forums : 15 minutes

Video watching : 4 Providing feedback : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**9.22 Thursday**

Video watching : 5 Reducing plagiarism : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**9.27 Tuesday**

Video watching : 6 Building community : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

Learning society (by Cisco) (Check the translated version in Korean)

* 1. **Thursday**

Video watching : 7 Instructor social presence

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

* 1. **Tuesday**

Video watching : 8 Online relationship : 15 minutes

Video watching : 9 Collaboration teaming: 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**10.6 Thursday**

Video watching : 10 Supplemental materials : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**10. 11 Tuesday**

Video watching : 11 Blended learning general : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

Video watching : 12 Blended implementation: 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

* 1. **Thursday**

Video watching : 13 Blended future : 15 minutes

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**10. 18 Tuesday**

Assessment and teaching of 21st century skills

**10. 20 Thursday**

Video watching : 14 Writing reflection activities

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**10. 25 Tuesday**

Video watching : 15 Virtual learning

Video watching : 16 Existing video resources

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**10. 27 Thursday**

Video watching : 17 Webinars webcasts

Students : PDF file & headset

Brief summary of main idea : 5 minutes

Present a cool resource : 5 minutes

Use it : 15 minutes

Comments of how to apply the idea in Korean education : 5 minutes

**11. 1 Tuesday**

Video watching : 18 Podcasting

Video watching : 19 Wiki

**11. 3 Thursday**

Video watching : 20 Blog

**11. 8 Tuesday**

Video watching : 21 Collaborative tools

Video watching : 22 Hands on experiential

**11. 10 Thursday**

Video watching : 23 Project problem product based

**11. 15 Tuesday**

Video watching : 24 Global connections collaboration

Video watching : 25 Assessing students learning

**11. 17 Thursday**

Video watching : 26 Ending archiving updating reusing

**11. 22 Tuesday**

Canada Multiculturalism education comparative study

**11. 24 Thursday**

Video watching : 27 trends

**11. 29 Tuesday**

UNESCO global education vision

**12.1. Thursday**

Educating for citizenship in the 21st century ) : perspectives from an international study in 38 countries (27 oages)

Australian council for educational research (2010.10)

**12. 6 Tuesday**

Finding and selecting contents

* 1. Open Educational Resources

<http://www.ted.com/talks/richard_baraniuk_on_open_source_learning.html>

Richard Baraniuk on open-source learning

* 1. EBS.co.kr
  2. MIT OCW (OOPS)
  3. Webniar http://gelp.socialtext.net/gelp/webinar\_recording\_global\_curriculum\_bridging\_education\_3\_0\_across\_cultures

**12.8. Thursday**

Educating for citizenship in the 21st century (210.10 ) : perspectives from an international study in 38 countries, Australian Council for Educational Research

**12. 13 Tuesday**

Final paper presentation

## Class Tasks

### A. summary of videos

**Group project** : Two students will team up to review a video each week

Presentation : one for summary of key ideas, the second to show a cool resource

Each audience student will make comments on discussion

Structure of the summary paper (less than 2 pages in MS word )

1. Key ideas
   1. Provide titles with explanation
2. Examples of challenges
3. Advice and guidelines
4. Examples of cool resources
   1. review some of tools provided by the given materials
   2. Provide cool resource/s per summary

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**B. Final report**

**Individual report** : Final report “Curriculum for Global Education”

Structure of the report on “Research on Global Education”

1. Global Education Programs available at universities in the world
2. Concepts of global education
3. Suggested curriculum

**C. Participation in the class:**

In terms of class attendance, it is your responsibility to do the readings and experience the unique activities that will be incorporated into each week. A combination of article readings, verbal and written reactions to ideas, observing demonstration tools or videos, cool resources discussions, participation will be counted in grade. Some of it will be quantitative and qualitative. Keep in mind that I want to hear from you! Your contribution to the discussion in each page will be considered. ***Participation is encouraged at all times.***

## Evaluation

**Grading criteria for A and B 70%**

1. Relevance *(clarity, content related to class, organized, facts, data, relevant, style)*

2. Resources, Effort, & Digging (*citations/refs, linkages to class concepts, extensive)*

3. Completeness & Coherence *(depth, clear, complete, practical, detailed, important, logical)*

4. Creativity and Richness of Ideas *(richness of information, elaboration, originality, unique)*

5. Knowledge of Topic *(learning breadth & depth, growth, displays understanding of topic)*

Group paper : 40% Four papers : 10% each, total 40%, group members will get the same score.

Individual paper : 30%

**Grading criteria for C 30%**

Individual students’ participation on discussion will be counted and measured qualitatively.